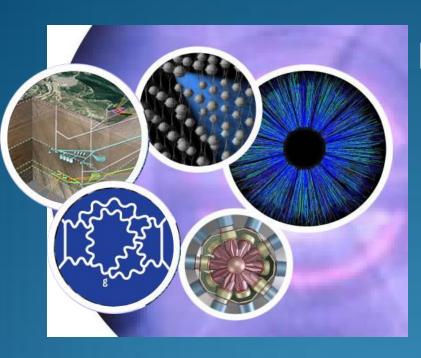
Nuclear Science Division Seminar

Information Content of a New Observable



Prof. W. Nazarewicz

U of Tennessee/ORNL

Wednsday
March 23, 2011
11:00 am
Bldg. 50-Auditorium

Abstract: Nuclei communicate with us through a great variety of observables. Some are easy to measure, some take a considerable effort and experimental ingenuity. In this study, we show how to assess the uniqueness and usefulness of an observable, i.e., its information content with respect to current theoretical models. We also quantify the meaning of a correlation between different observables and discuss how to estimate theoretical statistical uncertainties. The methodology used in this work should be of interest to any theoretical framework that contains parameters adjusted to measured data.



